



This bulletin provides a breakdown of all injury¹ attendances at Arrows Park Accident and Emergency Department (AED) between January and December 2009.

Figure 1 illustrates the number of injury attendances by month. Injury attendance peaked in June (n=3,522), with January (n=2,683) having the fewest number.

Figure 1: Total number of injury attendances by month, January - December 2009

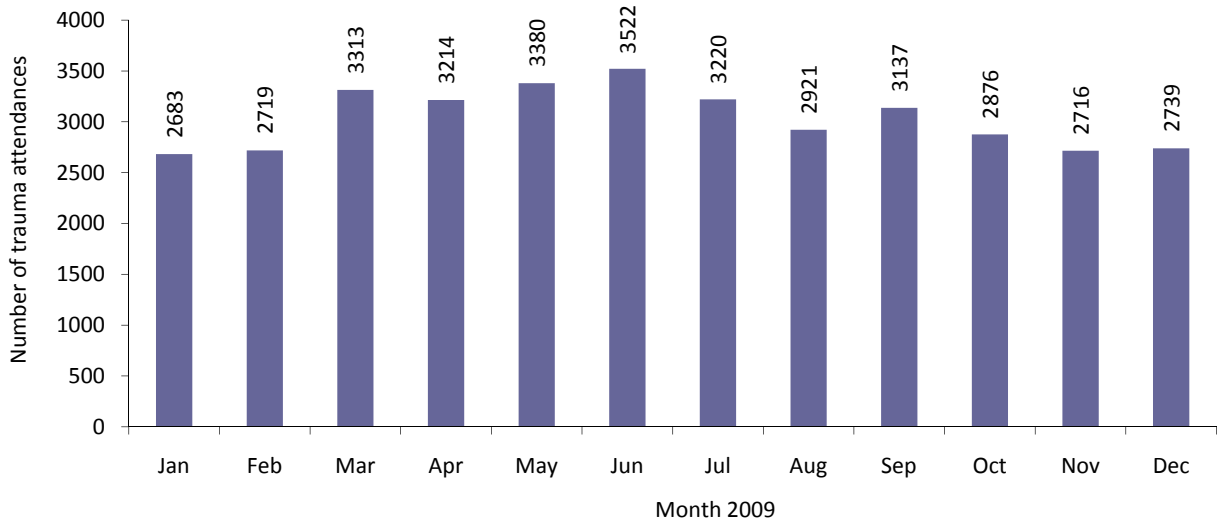


Figure 2 illustrates injury attendances by gender. For all months there were more male (55%) injury attendances than female presenting at Arrows Park AED.

Figure 2: Gender of injury attendances by month, January - December 2009

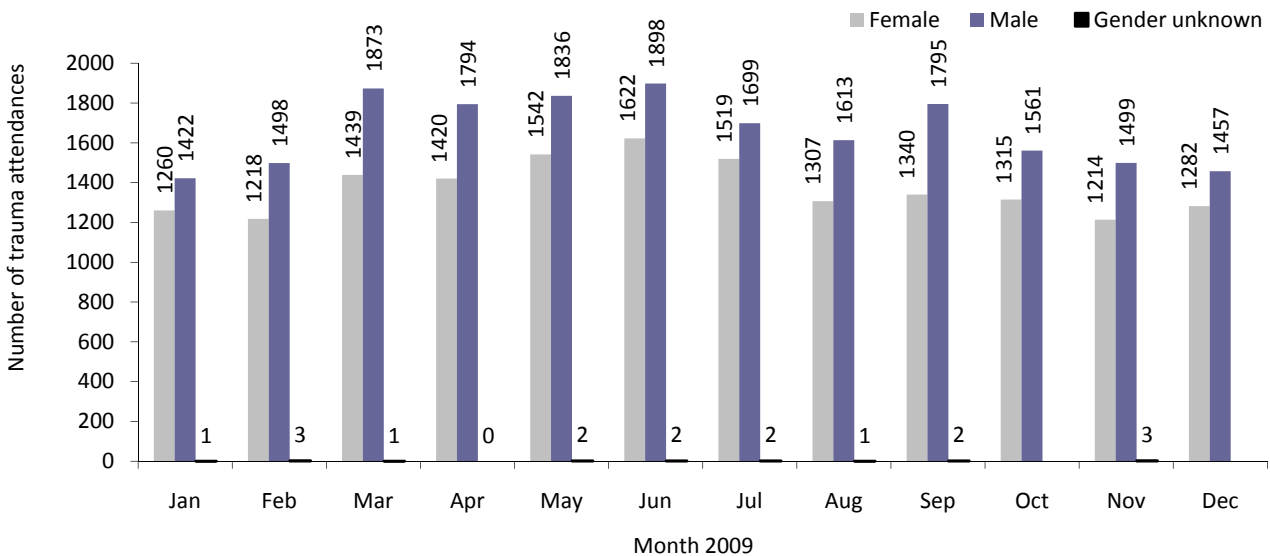


Figure 3 presents the age group of injury attendances. Across the whole year over a quarter (27%) of injury attendances were made by people aged 15 to 29 years.

Figure 3: Age group of injury attendances by month, January - December 2009

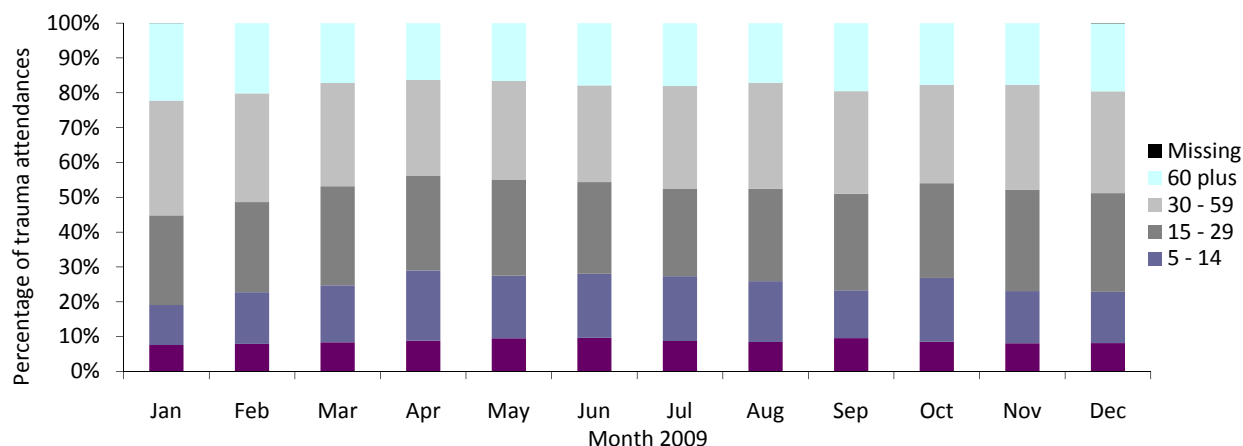


Table 1 details the injury group of injury attendances. The most common cause of injury was by a fall, accounting for 44% of all injury attendances.

Table 1: Injury attendances by injury group, January - December 2009^{2 3}

Injury group	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	%
Fall	1202	1172	1411	1396	1529	1613	1406	1278	1353	1148	1123	1322	15953	44
Struck	337	412	531	482	479	452	472	349	468	420	449	294	5145	14
Road traffic collision	260	244	271	282	289	288	311	247	298	336	303	313	3442	9
Other accident	263	227	258	278	313	334	321	326	294	281	216	268	3379	9
Wound/cut	196	210	258	250	253	304	295	256	219	211	195	172	2819	8
Assault	172	163	172	221	211	218	146	222	153	159	162	155	2154	6
Sports injury	87	140	217	132	112	122	78	85	215	154	107	72	1521	4
Deliberate self-harm	75	52	71	47	67	77	44	49	66	59	61	45	713	2
Bite	18	28	31	34	44	36	56	35	28	37	25	31	403	1
Burn/scald	30	34	42	42	29	38	34	33	18	28	36	29	393	1
Ingestion	27	25	29	33	39	30	36	29	21	29	25	25	348	1
Inhalation	8	***	7	6	8	***	8	***	***	5	***	***	59	0
Non-fire burn/scald	***	7	8	5	***	***	6	***	***	***	7	***	55	0
Glass	***	***	***	***	***	***	***	5	***	***	***	***	20	0
Electrical	***	***	***	***	***	***	***	***	***	***	***	***	16	0
Stab	***	***	***	***	***	***	***	***	***	***	***	***	10	0
Drown/immersion	***	***	***	***	***	***	***	***	***	***	***	***	9	0
Firearm	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Firework	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Non-drown asphyxia	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	2683	2719	3313	3214	3380	3522	3220	2921	3137	2876	2716	2739	36440	100

Table 2 shows the disposal method of injury attendances. The majority (88%) of injury attendances were discharged after treatment.

Table 2: Disposal method of injury attendances, January - December 2009

Discharge method	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	%
Admitted	388	341	390	376	426	403	314	359	375	363	386	406	4527	12
Discharged	2295	2378	2923	2838	2954	3119	2906	2562	2762	2513	2330	2333	31913	88
Total	2683	2719	3313	3214	3380	3522	3220	2921	3137	2876	2716	2739	36440	100

Table 3 shows injury group of injury attendances for those aged zero to four and 60 plus. Falls accounted for the highest group of injury attendances for both age groups, accounting for 53% and 70% respectively. The primary locations for falls in those aged the zero to four and 60 plus were in and around the home (55%; 50%) (Table 4).

Table 3: Injury attendees aged 0 - 4 and 60 plus by injury group, January - December 2009

Injury group	Aged 0 - 4		Aged 60 plus	
	N	%	N	%
Assault	***	0	36	1
Bite	24	1	50	1
Burn/scald	103	3	33	0
Drown/immersion	***	0	***	0
Deliberate self-harm	***	0	35	1
Electrical	***	0	***	0
Fall	1656	53	4651	70
Ingestion	124	4	32	0
Inhalation	5	0	11	0
Non-fire burn/scald	13	0	***	0
Other accident	311	10	717	11
Road traffic accident	119	4	284	4
Sports injury	***	0	20	0
Stab	***	0	***	0
Struck	409	13	344	5
Wound/cut	330	11	462	7
Total	3106	100	6681	100

Table 4: Fall attendees aged 0 - 4 and 60 plus by incident location, January - December 2009

Specific location	Aged 0 - 4		Aged 60 plus	
	N	%	N	%
Home bathroom	34	2	158	3
Home bedroom	162	10	561	12
Home cellar	***	0	***	0
Home conservatory	***	0	6	0
Home garage/workshop	***	0	22	0
Home garden	82	5	143	3
Home hall	32	2	75	2
Home kitchen	60	4	96	2
Home living/dining room	310	19	499	11
Home lofts	***	0	5	0
Home other	63	4	442	10
Home outside steps	19	1	60	1
Home path/drive	12	1	48	1
Home stairs	139	8	198	4
Other	66	4	109	2
Public place	604	36	2174	47
School changing/cloak room	***	0	***	0
School classroom	10	1	***	0
School grounds/field	38	2	***	0
School hall	***	0	***	0
School other	***	0	***	0
School sports hall	***	0	***	0
Sea/waterway	***	0	***	0
Sport	10	1	17	0
Work	***	0	32	1
Total	1656	100	4651	100

Table 5 illustrates the general location where assaults occurred for patients presenting with assault-related injuries. The primary locations for assaults were street/road (39%), public space (23%) and domestic violence/home (17%).

Table 5: Assault attendances by general location of incident, January - December 2009

Assault location	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	%
Street/road	55	51	69	72	79	122	47	74	59	66	83	53	830	39
Public space	39	34	33	64	50	30	39	58	41	36	25	40	489	23
Domestic violence/home	27	38	26	45	31	29	26	43	23	24	27	27	366	17
Public house	18	7	15	14	14	13	***	14	9	7	9	12	136	6
Work	***	7	6	6	8	***	6	6	5	7	9	7	74	3
Night club	8	14	***	***	9	***	***	***	***	6	***	6	63	3
Public park	6	***	***	9	10	7	5	6	7	***	***	***	62	3
Other/unknown	***	6	5	***	***	***	7	5	***	7	***	***	51	2
School	5	***	7	***	***	5	***	***	***	***	***	***	36	2
Shop/shopping centre	***	***	***	***	***	***	***	***	***	***	***	***	15	1
Railway station	***	***	***	***	***	***	***	***	***	***	***	***	10	0
Leisure facility	***	***	***	***	***	***	***	***	***	***	***	***	7	0
Public transport	***	***	***	***	***	***	***	***	***	***	***	***	5	0
Bus station	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Details withheld by patient	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Football	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Hospital	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Road/car rage	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	172	163	172	221	211	218	146	222	153	159	162	155	2154	100

Data for January to December 2009 highlighted that the primary location of assaults was Birkenhead Town Centre, accounting for 27% of assault locations. Wallasey and Seacombe accounted for 13% of assault locations during this period (Table 6).

Table 6: Assault attendances by location of incident, January - December 2009

Assault location	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	%
Birkenhead Town Centre	53	50	50	59	45	65	43	56	45	30	31	48	575	27
Wallasey/Seacombe	20	23	20	35	33	20	15	32	13	21	30	18	280	13
New Ferry/Rock Ferry	14	9	14	16	11	29	13	18	22	21	11	11	189	9
Bidston/Prenton/Oxton	10	12	15	21	23	21	8	17	6	13	8	11	165	8
Refused to answer	12	5	5	8	14	14	8	31	9	22	14	9	151	7
Moreton/Leasowe	10	14	12	17	14	12	8	11	***	12	10	***	129	6
Liverpool City Centre	10	8	18	9	11	***	***	14	8	***	10	10	116	5
Greasby/Upton/Arrowe Park	11	7	9	10	11	8	13	11	10	5	7	8	110	5
Unknown	7	5	6	10	***	6	***	6	7	9	10	***	77	4
Bromborough	9	***	6	***	10	6	***	6	***	7	6	7	73	3
Bebington	***	8	***	5	9	7	5	5	***	***	***	5	59	3
New Brighton	***	***	***	11	***	5	***	***	7	***	5	5	53	2
Heswall/Pensby/Thingwall	***	***	5	7	6	***	***	***	7	***	5	6	51	2
Neston/Parkgate	***	***	***	***	7	***	5	5	***	***	6	***	42	2
Meols/Frankby/Hoylake	***	***	***	***	***	7	6	***	***	***	***	***	34	2
West Kirkby	5	***	***	***	6	5	***	***	***	***	***	***	31	1
Ellesmere Port/Cheshire Oaks	***	***	***	***	***	***	***	***	***	***	***	***	17	1
Barnston	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Hooton	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	172	163	172	221	211	218	146	222	153	159	162	155	2154	100

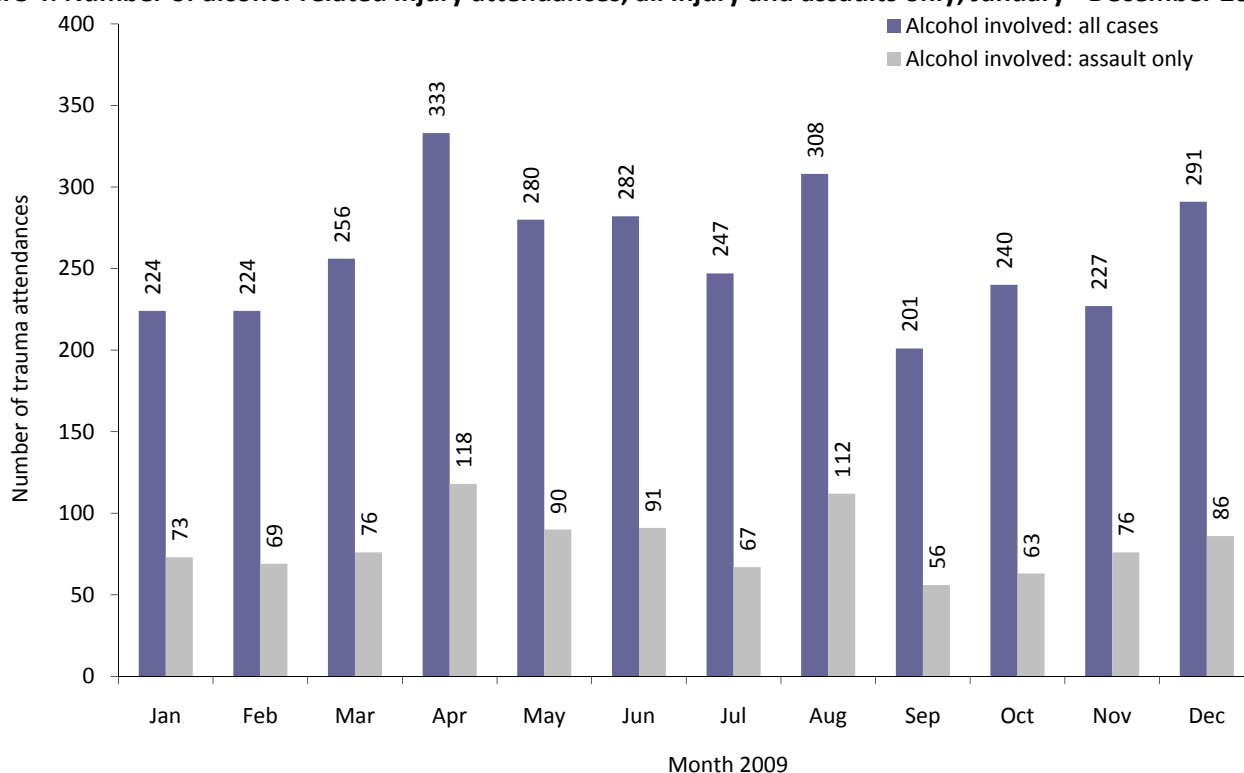
Table 7 shows the number of attackers involved in assaults leading to an AED attendance. Over half (58%) of assaults involved one attacker, yet nearly a third (31%) involved two or more attackers.

Table 7: Assault attendances by number of attackers, January - December 2009

Number of attackers	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	%
1 attacker	102	90	104	120	105	117	94	131	92	86	102	100	1243	58
2 attackers	12	14	22	21	15	21	10	16	13	15	13	12	184	9
>2 attackers	33	39	27	53	52	46	27	48	34	40	37	33	469	22
Unknown	25	20	19	27	39	34	15	27	14	18	10	10	258	12
Total	172	163	172	221	211	218	146	222	153	159	162	155	2154	100

Figure 4 shows the number of all injury attendances and assault attendances who had been drinking prior to the incident occurring. Between January and December 2009, 9% (range: 6% to 11%) of all injury attendees had been drinking prior to the incident, compared with 45% (range: 37% to 55%) of assault attendees only.

Figure 4: Number of alcohol-related injury attendances, all injury and assaults only, January - December 2009



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¹ Injury refers to all AED attendances presenting as a result of an intentional or unintentional injury.

² *** Please note that all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number <5 in a category then two numbers will be suppressed at the next level (e.g. <6) in order to prevent back calculations from totals.

³ Please note percentages might not add to one hundred due to rounding.